

FIG. 1

FIG. 2 is a schematic diagram of a system 200 for providing location information to a mobile device 154.

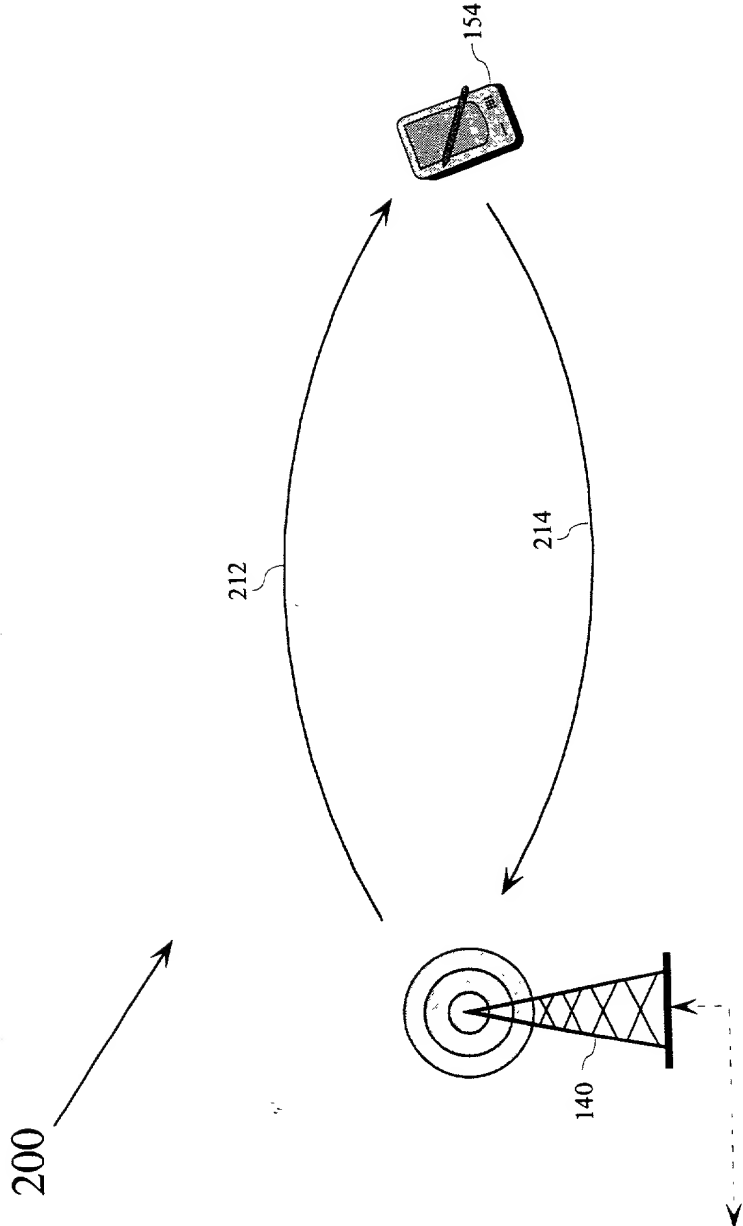


FIG. 2

FIG. 3 is a schematic diagram of a communication system 300, including a satellite 320, a ground station 310, and a user terminal 330. The satellite 320 is in orbit and communicates with the ground station 310 via a downlink 312 and an uplink 314. The satellite 320 also communicates with the user terminal 330 via a downlink 322 and an uplink 324. The ground station 310 and the user terminal 330 are both equipped with antennas and are connected to a network 340, which is represented by a dashed line with arrows at both ends.

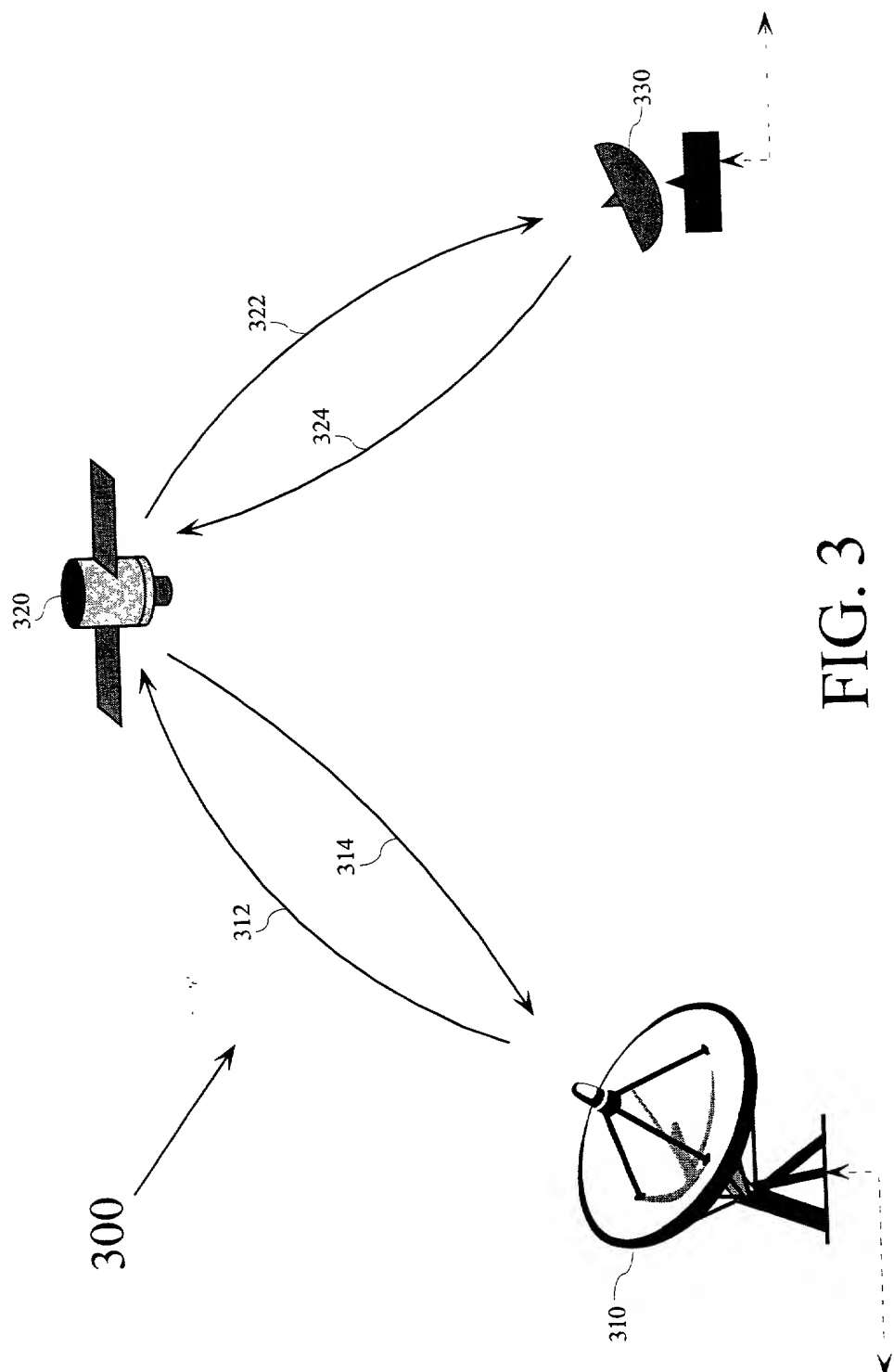


FIG. 3

FIG. 4 is a schematic diagram of a system 400 for data transfer.

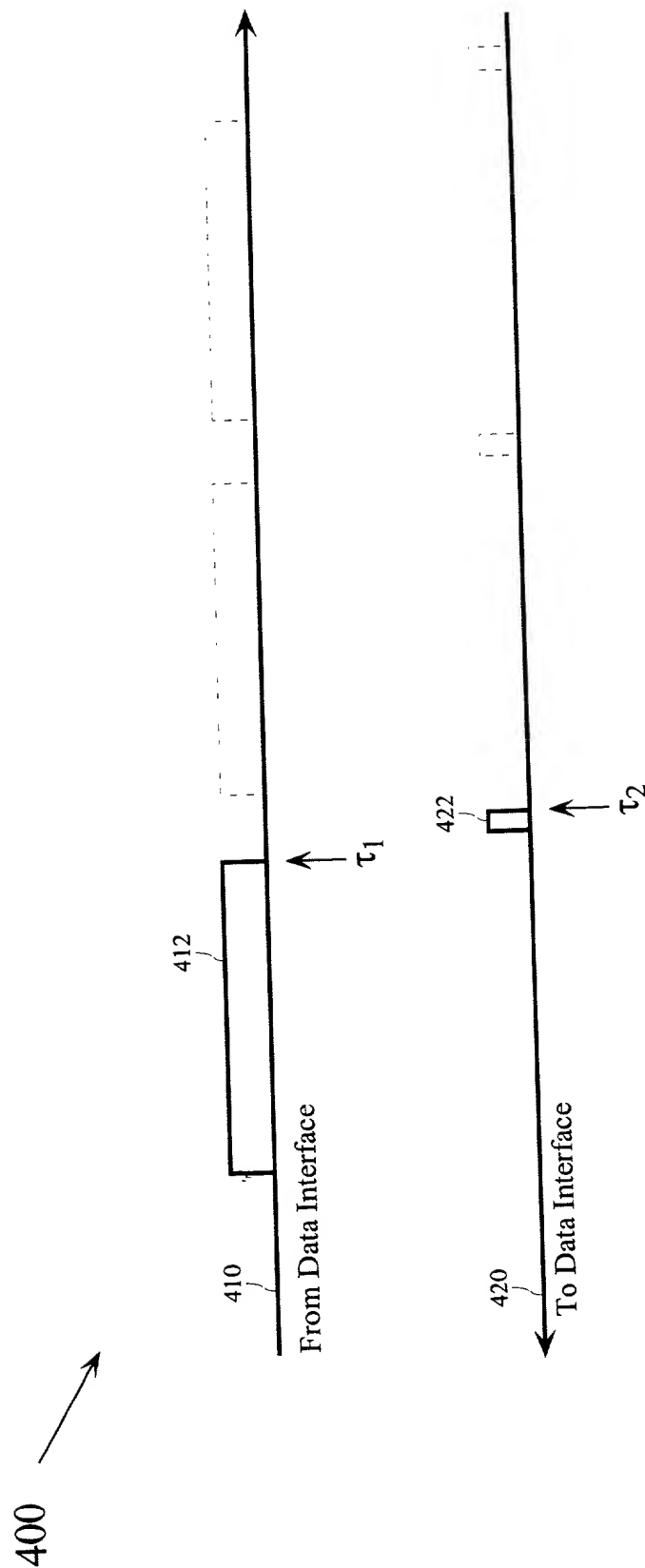


FIG. 4

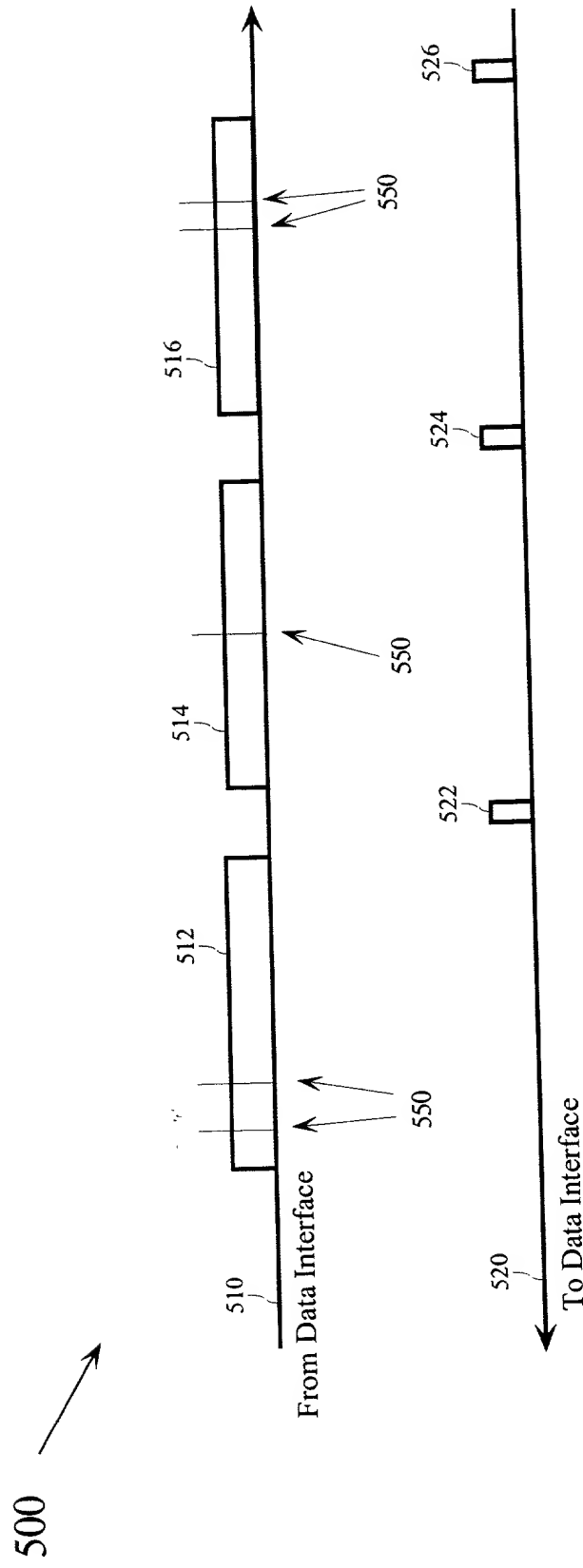


FIG. 5

600

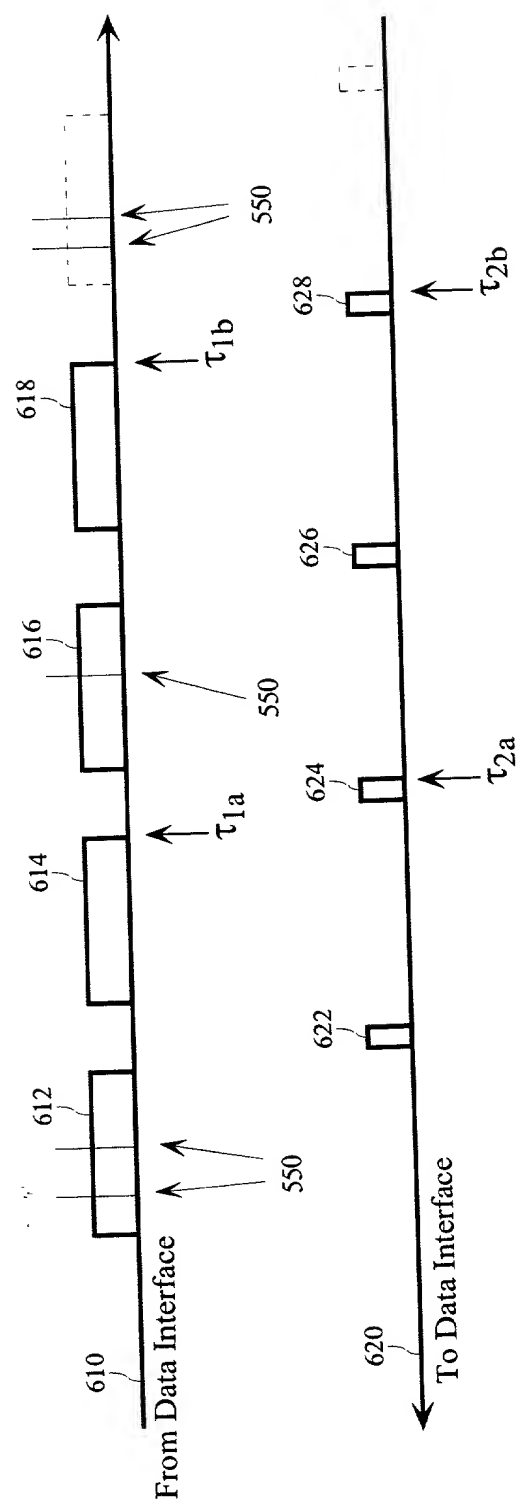


FIG. 6

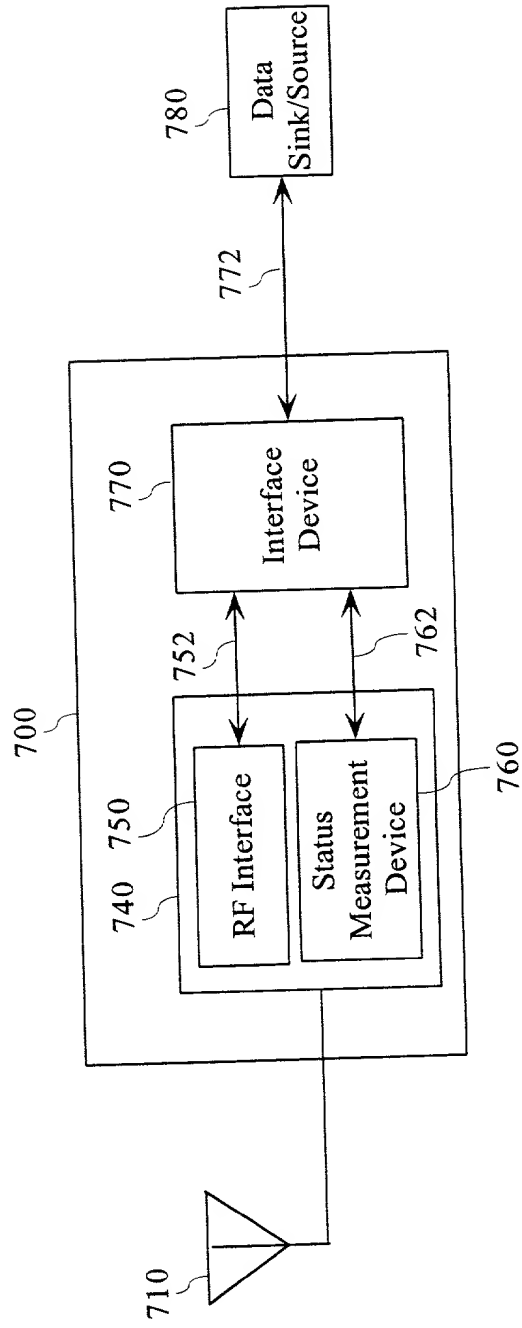


FIG. 7

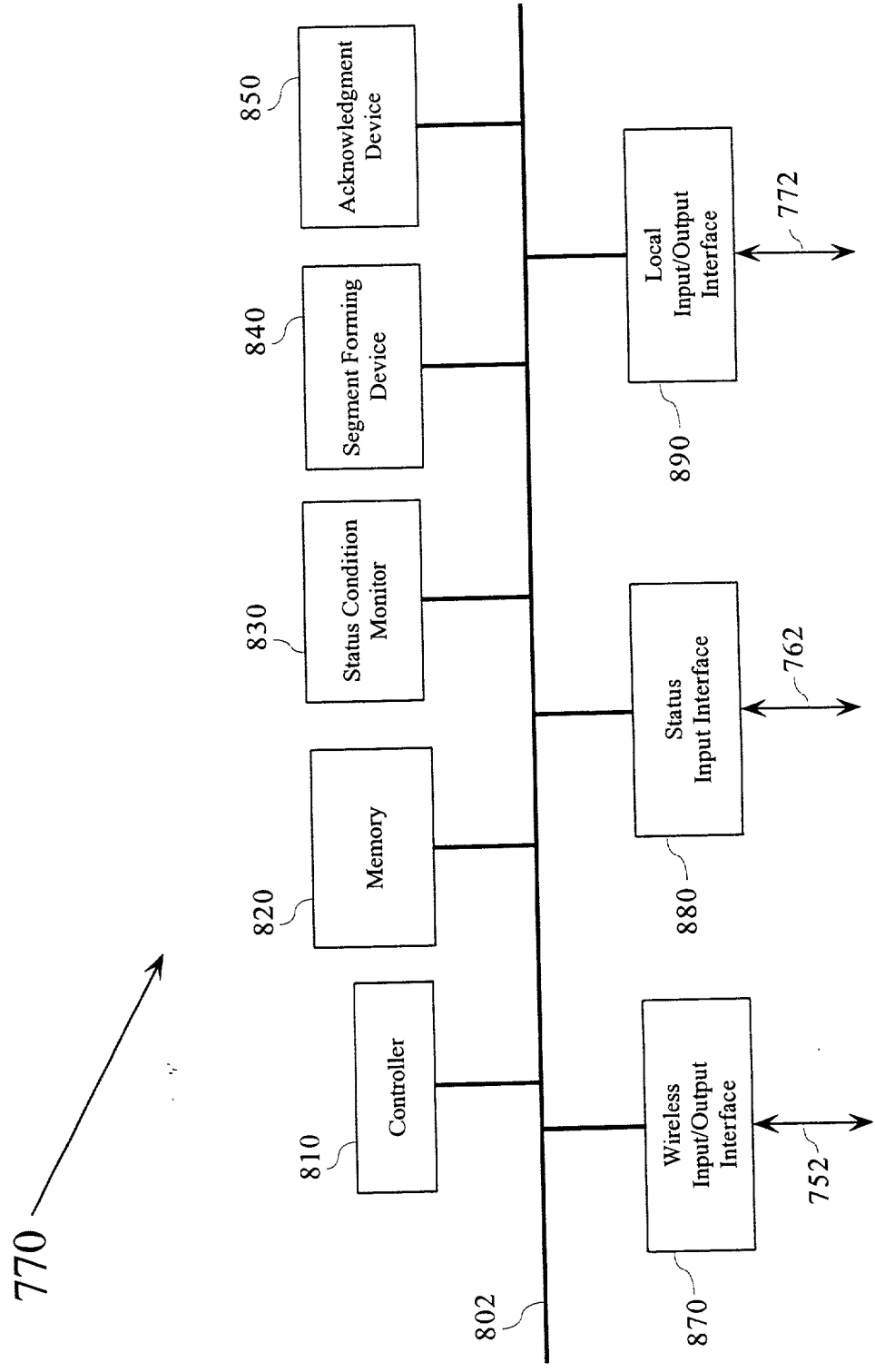


FIG. 8



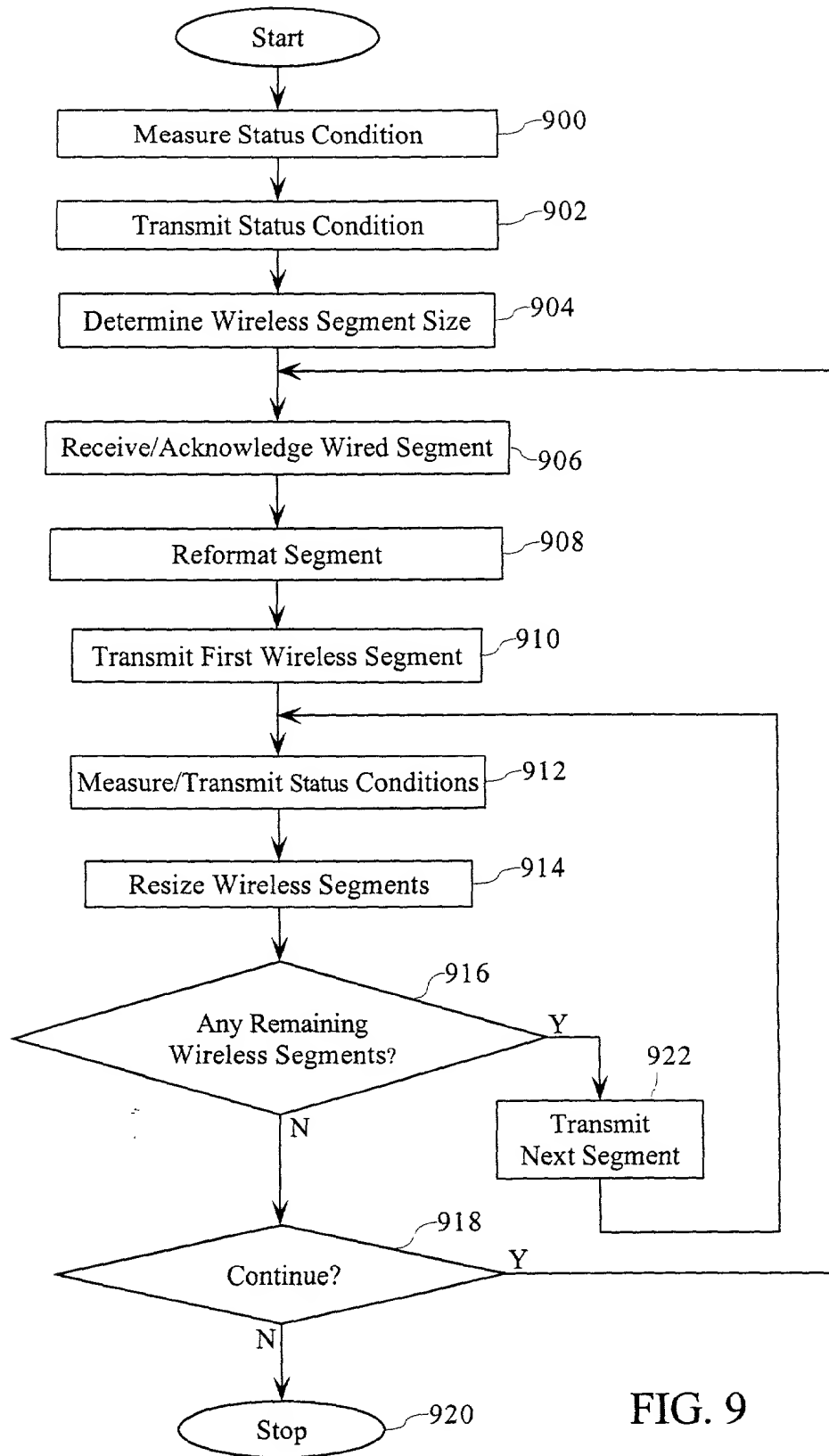


FIG. 9

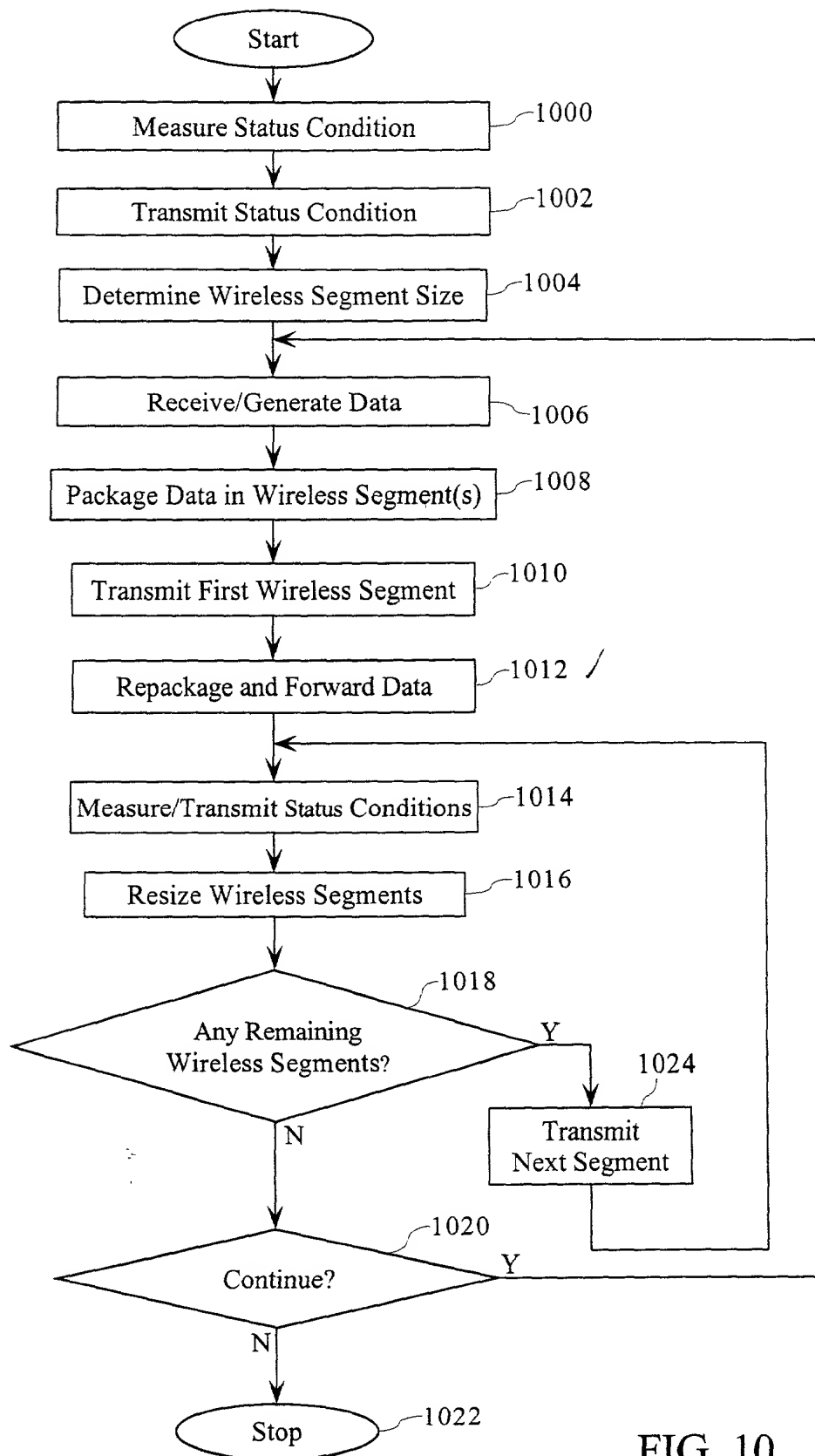


FIG. 10